

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) An echo canceler, comprising:

a digital ~~an~~ echo canceller module digitally configurable as one of a digital ~~an~~ acoustic echo canceler and a digital hybrid echo canceler; and

a control register adapted to configure said digital echo canceller module as said one of said digital acoustic echo canceller and said digital hybrid echo canceler;

wherein said digital echo canceller module is configurable to operate through a common physical connection as said digital acoustic echo canceller in a first wireless device and as said hybrid echo canceler in a second wireless device.

2. (currently amended) The echo canceller according to claim 1,

wherein:

said control register is adapted to configure a span length of said digital echo canceller module.

3. (currently amended) The echo canceller according to claim 2,

wherein:

said span length is adapted to be operably reconfigurable.

4. (currently amended) The echo canceller according to claim 1,

wherein:

said control register is adapted to configure a step size relating to adaptation of said digital echo canceller module.

5. (currently amended) The echo canceller according to claim 4, wherein:

said step size is adapted to be operably reconfigurable.

6. (currently amended) The echo canceller according to claim 1, wherein:

said control register is adapted to configure an ability to update tap information relating to said digital echo canceller module.

7. (currently amended) The echo canceller according to claim 6, wherein:

said ability to update tap information is adapted to be operably reconfigurable.

8. (currently amended) The echo canceller according to claim 1, wherein:

said control register is adapted to select one of a plurality of possible adaptation modes of said digital echo canceller module.

9. (currently amended) The echo canceller according to claim 8, wherein:

said selection is operably reconfigurable.

10. (currently amended) The An echo canceller, comprising:
~~according to claim 1, wherein:~~

an echo canceller module configurable as one of an acoustic echo canceler and a hybrid echo canceller; and

a control register adapted to configure said echo canceller module as said one of said acoustic echo canceller and said hybrid echo canceller;

wherein said echo canceller module is configurable to operate through a common physical connection as said acoustic echo canceller in a first wireless device and as said hybrid echo canceller in a second wireless device;
and

said control register is adapted to select between sub-band center clipping and full-band center clipping with respect to said echo canceller module.

11. (original) The echo canceller according to claim 10, wherein:
said selection is operably reconfigurable.

12. (original) The echo canceller according to claim 1, wherein:
said control register is adapted to select between sub-band echo cancellation and full-band echo cancellation.

13. (original) The echo canceller according to claim 12, wherein:
said selection is operably reconfigurable.

14. (currently amended) The echo canceller according to claim 1,
wherein:

said digital echo canceller module is adapted to configurably receive an input signal from two of:

- a microphone,
- a telephone line in, and
- handset in.

15. (currently amended) A method of configuring an digital an echo canceller, said method comprising:

configuring a digital echo canceller module to operate as one of a digital acoustic echo canceller and a digital hybrid echo canceller;

operating said digital echo canceller module as said digital acoustic echo canceler if said digital echo canceller module is utilized in a first wireless device; and

operating said digital echo canceller module as said digital hybrid echo canceler if said digital echo canceller module is utilized in a second wireless device;

wherein said digital echo canceller module is configurable to operate through a common physical connection as said digital acoustic echo canceler in said first wireless device and as said digital hybrid echo canceler in said second wireless device.

16. (currently amended) The method according to claim 15, further comprising:

changing a span length of said digital echo canceller module.

17. (currently amended) The method according to claim 15, further comprising:

changing an adaptation speed of said digital echo canceller module.

18. (currently amended) The method of configuring a digital an echo canceler module as either a digital an acoustic echo canceler or as a digital hybrid echo canceller according to claim 15, wherein said reconfiguring comprises:

changing an enablement status of a tap update ability of said digital echo canceller module.

19. (currently amended) The method of configuring a digital an echo canceler module as either a digital an acoustic echo canceler or as a digital hybrid echo canceler according to claim 15, wherein said reconfiguring comprises:

changing an adaptation mode of said digital echo canceller module.

20. (currently amended) A The method of configuring an echo canceller, said method comprising: ~~according to claim 15, wherein said reconfiguring comprises:~~

configuring an echo canceller module as one of an acoustic echo canceller and a hybrid echo canceller, said configuring comprises selecting between sub-band center clipping or full-band center clipping with respect to said echo canceller module;

operating said echo canceller module as said acoustic echo canceller if said echo canceller module is utilized in a first wireless device; and

operating said echo canceller module as said hybrid echo canceller if said echo canceller module is utilized in a second wireless device;

wherein said echo canceller module is configurable to operate through a common physical connection as said acoustic echo canceller in said first wireless device and as said hybrid echo canceller in said second wireless device.

21. (currently amended) ~~A~~ The method of configuring an echo canceller, ~~said method comprising: according to claim 15, wherein said reconfiguring comprises:~~

configuring an echo canceler module as one of an acoustic echo canceller and a hybrid echo canceller, said configuring comprising selecting between sub-band echo cancellation or full-band echo cancellation with respect to said echo canceller module;

operating said echo canceller module as said acoustic echo canceller if said echo canceller module is utilized in a first wireless device; and

operating said echo canceller module as said hybrid echo canceller if said echo canceller module is utilized in a second wireless device;

wherein said echo canceller module is configurable to operate through a common physical connection as said acoustic echo canceller in said first wireless device and as said hybrid echo canceller in said second wireless device.

22. (currently amended) Apparatus for configuring ~~an~~ an echo canceller, comprising:

means for configuring a digital echo canceller module as one of a digital acoustic echo canceller and a digital hybrid echo canceller;

means for operating said digital echo canceller module as said digital acoustic echo canceller if said digital echo canceller module is utilized in a first wireless device; and

means for operating said digital echo canceller module as said digital hybrid echo canceller if said digital echo canceller module is utilized in a second wireless device;

wherein said digital echo canceller module is configurable to operate through a common physical connection as said digital acoustic echo canceler in said first wireless device and said digital hybrid echo canceler in said second wireless device.

23. (currently amended) The echo canceller according to claim 1,
wherein:

said first wireless device is a handset of a digital cordless
telephone.

24. (currently amended) The echo canceller according to claim 1,
wherein:

said second wireless device is a base unit of a digital cordless
telephone.

25. (currently amended) The method according to claim 15, further
comprising:

configuring said digital echo canceller in said first wireless device
for use in a handset of a digital cordless telephone.

26. (currently amended) The method according to claim 15, further comprising:

configuring said digital echo canceler in said second wireless device for use in a base unit of a digital cordless telephone.

27. (currently amended) The apparatus according to claim 22, wherein said means for configuring comprises:

means for configuring said digital echo canceler in said first wireless device for use in a handset of a digital cordless telephone.

28. (currently amended) The apparatus according to claim 22, wherein said means for configuring comprises:

means for configuring said digital echo canceler in said second wireless device for use in a base unit of a digital cordless telephone.